We Claim:

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Nb.

- 1. A titanium based carbonitride alloy comprising hard constituents with undissolved Ti(C,N) cores, the alloy further comprising 9-14 at% Co, 1-<3 at% Nb, 3-8 at% W, C and N having a C/(N+C) ratio of 0.50-0.75, and wherein the amount of undissolved Ti(C,N) cores is between 26 and 37 vol% of the hard constituents and the balance being one or more complex carbonitride phases.
 - 2. The alloy according to claim 1, wherein the alloy contains 10-13 at% Co.
- 3. The alloy according to claim 1, wherein the alloy contains 1.5-2.5 at%
 - 4. The alloy according to claim 1, wherein the alloy contains 3-4 at% W.
 - 5. The alloy according to claim 1, wherein the amount of undissolved Ti(C,N) cores is between 27 and 35 vol% of the hard constituents, the balance being one or more complex carbonitride phases.
- 6. A method of manufacturing a titanium-based carbonitride alloy comprising hard constituents with undissolved Ti(C,N) cores, the method comprising: mixing hard constituent powders of TiC_xN_{1-x}, x having a value of 0.46-0.70, NbC and WC with powder of Co, pressing into bodies of desired shape and sintered in a N₂-CO-Ar atmosphere at a temperature in the range 1370-1500 °C for 1.5-2h in order to obtain

the desired amount of undissolved Ti(C,N) cores the amount of Ti(C,N) powder is 50-70 wt-% of the powder mixture, its grain size is 1-3 µm and the sintering temperature and sintering time are chosen to give an amount of undissolved Ti(C,N) cores between 26 and 37 vol% of the hard constituents.